Docket Number (Optional) Application Number													
O I PORMATION DISCLOSURE CITATION							51764/3	10/616,001					
(1 (Use several sheets if necessary)							Applicants) Jacob H. Gunther						
HOV 1 0 2003 &					•		Filing Date July 9, 2003		Group Art Unit 2681				
U.S.							U.S. PATENT DOCUMENTS						
PEXAMPLE REF DOCUMENT NUMBER DATE						NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
M		Al	2002	L/0191779 A1	12/19/02	Pham		379	406.08	03/23/01			
-45 		A2	2002	2/0181699 A1	12/05/02	Pham et al.		379	406.08	03/23/01			
		AJ	2002	2/0114445 A1	08/22/02	Benesty et al.		379	406.01	12/05/00			
		M	6,51	6,050 B1	02/04/03	Tasaki et al.		379	3	10/25/00			
		A5	6,50	7,653 B1	01/14/03	Romesburg		379	406.05	04/14/00			
		A6	6,43	4,110 B1	08/13/02	Hemkumar		370	201	03/20/98			
		A7	6,27	2,106 B1	08/07/01	Kawahara et al.		370	201	05/02/95			
		AB	6,18	1,794 B1	01/30/01	Park et al.		379	410	10/07/97			
		A9	5,76	4,753	06/09/98	McCaslin et al.		379	389	09/29/95			
		A10	5,39	0,250	02/14/95	Janse et al.		379	410	12/17/91			
Th		A11 5,295,136		03/15/94	Ashley et al. 3		370	32.1	04/13/92				
•						FOREIG	N PATENT DOCUMENTS						
	REF			DOCUMENT NUMBER	DATE	COUNTRY		CIVE	SUBCLASS	Translation YES NO			
										YES	RU		
									 	<u> </u>			
		L				OTHER	DOCUMENTS (Including A		Day Brain and	non First			
							Control 15 (Including A	uinot, Tille, I	Date, Pertinent Pa	ges, EIC.)			
Schobben et al., "A Frequency Domain B Signal Processing, Vol. 50, No. 8, August					uency Domain E 0, No. 8, August	Blind Signal Separation Method Based on Decorrelation," IEEE Transactions on at 2002, pgs. 1855-1865.							
	Torkkola, Kari, "Blind Deconvolution, Information Maximization and Recursive Filters," Motorola, Phoenix Corporate Research Laboratories, 2100 East Elliot Road, MD EL508, Tempe, AZ 85284, USA, 4 pgs.										rate		
EXAM	DATE CONSIDERED 9/5/2004												
EXAM	EXAMINER: Initial if spation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.												
- полите тобу вт гото солга мин исте социалисьное го вренсвиг													

Form PTO-A820 (also form PTO-1449)

POSA/REVOA

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

ATTY DOCKET NO. SERIAL NO. 51764/3 10/616,001										
O INFORMATION DISCLOSURE CITATION (Uso several sheets if necessary) Jacob H. Gunther										
	1 / 20	C)	1	wy,	ı	FILING	GROUP			
July 9, 2003 2681										
U.S. PATENT DOCUMENTS EXAMINER DATE NAME CLASS SUBCLASS FLING DATE										
(MITTAL			DOCUMENT NUMBER	DATE	NAME		CLASS SUBCLASS		FILING DATE IF APPROPRIATE	
\$\frac{1}{2}	A12	4,71	12,235	12/08/87	Jones, Jr.		379	410	11/19/84	
	A13	4,26	58,727	05/19/81	Agrawal et al.		179 170.2		03/14/79	
1	A14	4,13	31,767	12/26/78	Weinstein		179 170.2		02/22/78	,
MY	A15	Re.	35,574	07/29/97	Russell et al.		380 6		05/23/95	
					,					
			,							
				FORE	IGN PATE	NT DOCUMENTS		· · · · · · · · · · · · · · · · · · ·	<u> </u>	
			DOCUMENT NUMBER	DATE		COUNTRY	CLASS	BUBCLASS	TRANSI	
		一						 	YES	NO
	 	├							$\vdash \vdash \vdash$	
	 	₩		 	 			<u> </u>		
	ļ	 								
		<u> </u>	·							
			OTHER DOCUME	NTS (Includin	g Author	, Title, Date, Pertinent P	ages, Etc.)		
M]	B3	Torkkola, Kari, "IRR Filters for Blind Deconvolution using Information Maximization," Motorola, Phoenix Corporate Research Laboratories, 2100 East Eiliot Road, MD EL508, Tempe, AZ 85284, USA, 14 pgs.							
TA	,	Feder, et al., "Maximum Likelihood Noise Cancellation Using the EM Algorithm," IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. 37, No. 2, February 1989, pgs. 204-216.								
EXAMINER DATE CONSIDERED GIR DOWN										
*EXAMINER: Initial if regresors considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not										
considered	considered. Include copy of this form with next communication to applicant.									

Form PTO-A820 (also form PTO-1449) POSC/REVOS

Patent and Tradumark Office * U.S. DEPARTMENT OF CONNERCE

	PNE	DRMA	TION DISCLOSURE	CITATION	<u>\$1764/3</u>					
HOY 1		الأبائم	se several sheets if necess	ary)	Jacob H. Gunther FILING July 9, 2003					
July 9, 2003 2681 U.S. PATENT DOCUMENTS EXAMPLES DATE NAME CLASS SUBCLASS FAING DATE										
EXAMBLER BUTTAL	DEMA		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		T .								
		1								
		T								
		\vdash								
		\vdash								
		╁			······································		 			
		+		·			-			
		┼						<u> </u>		
		<u>i</u>		500516	EN PATENT DOCUMENTS					
		1	DOCUMENT RUMBER	DATE	· · · · · · · · · · · · · · · · · · ·	COUNTRY CLASS			LATION	
		 		- CATE	COONING		SUBCLASS	YES	МО	
		-								
	-	╂	•			<u>'</u>	<u> </u>			
	_	┼				ļ				
		—				 				
							<u> </u>			
1	Γ-	Γ	OTHER DOCUME	NTS (Including	Author, Title, Date, Pertinent	Pages, Etc	i.)	<u>-</u>		
M		B5	Glentis, et al., "A Unified View - Efficient Least Squares Adaptive Algorithms for FIR Transversal Filtering," IEEE Signal Processing Magazine, July 1999, pgs. 13-41.							
Tent		B6	Breining, et al., "Acoustic Echo Control - An Application of Very-High-Order Adaptive Filters," IEEE Signal Processing Magazine, July 1999, pgs. 42-69.							
DATE CONSIDERED TIS DUM										
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.										

Form PTO-A820 (also form PTO-1449)

P09C/REV0

Patent and Trademark Office * U.S. DEPARTMENT OF CONMERCE

PAGE 3

OF 3